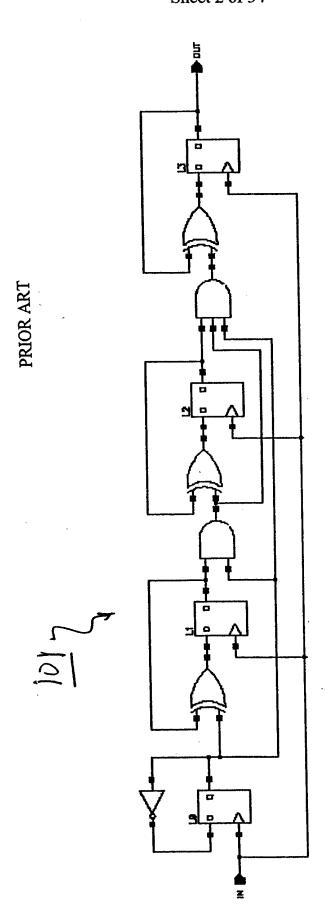
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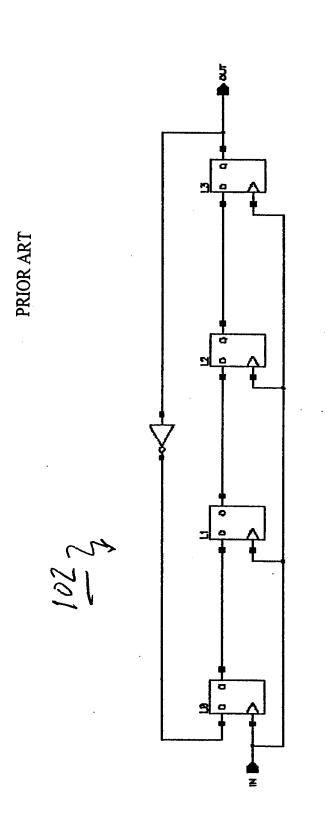
				100						
State	L0	L1	L2	L3	State	LO	L1	L2	L3	
1	0	0	0	0	9	0	0	0	1	
2	1	0	0	0	10	1	0	0	1	
3	0	1	0	0	11	0	1	0	1	
4	1	1	0	0	12	1	1	0	1	PRIOR ART
5	0	0	1	0	13	0	0	1	1	1100111111
6	1	0	1	0	14	1	0	1	1	
7	0	1	1	0	15	0	1	1	1	
Ω	1	1	4	ñ	16	1	4	4	1	

FIG. 1

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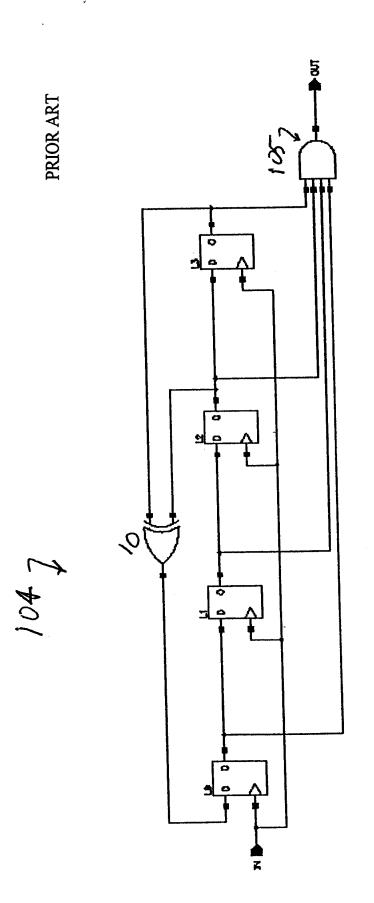
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рp	IOP	ART	
Γ Γ	M JK	AKI	

i	Ò	3	7
			The state of the s

State	L0	L1	L2	L3	State	L.O	L1	L2	L3
1a	0	0	0	0	1b	0	0	1	0
2a	1	0	0	0	2b	1	0	0	1
3a	1	1	0	0	3b	0	1	0	0
4a	1	1	1	0	4 b	1	0	1	0
5a	1	1	1	1	5b	1	1	0	1
6a	0	1	1	1	6b	0	1	1	0
7a	0	0	1	1	7b	1	0	1	1
8a	0	0	0	1	8b	0	1	0	1

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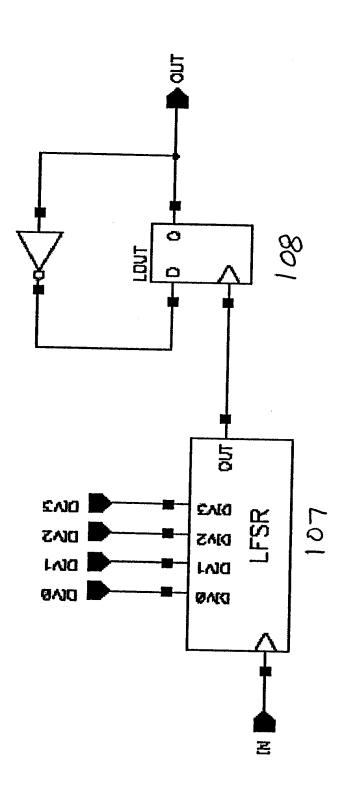


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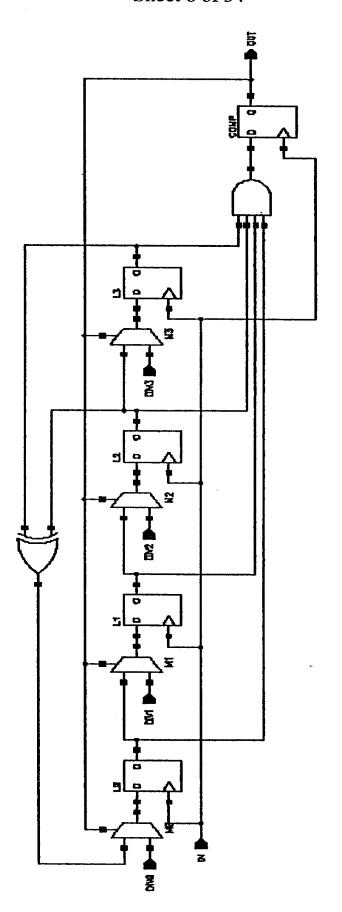
PRIOR ART

State	LO	L1	L2	L3	State	LO	L1	L2	L3
1	0	0	0	1	9	0	1	0	1
2	1	0	0	0	10	1	0	1	0
3	0	1	0	0	11	1	1	0	1
4	0	0	1	0	12	1	1	1	0
5	1	0	0	1	13	1	1	1	1
6	1	1	0	0	14	0	1	1	1
7	0	1	1	0	15	0	0	1	1
8	1	0	1	1					

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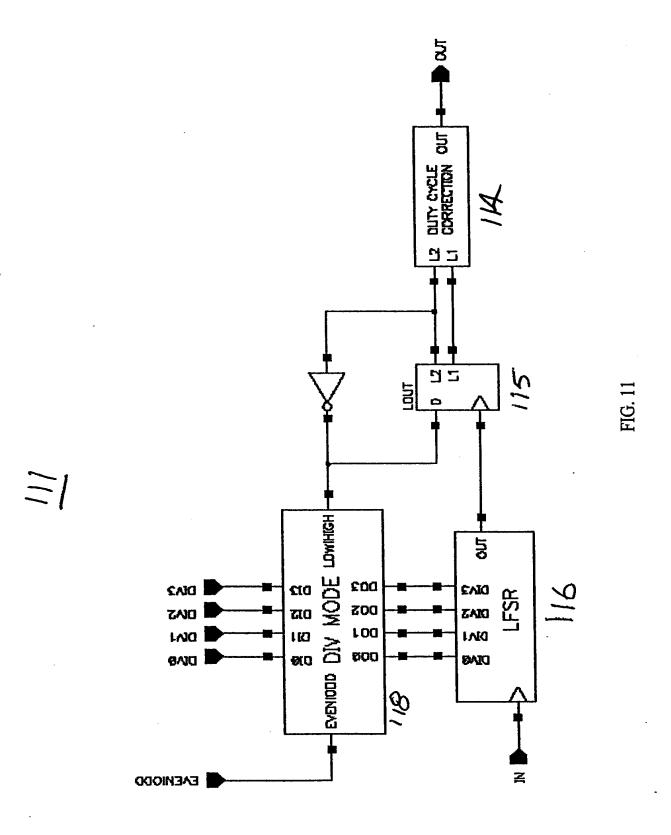
LFSR Divide Value	DIV0	DIV1	DIV2	DIV3	LFSR Divide Value	DIV0	DIV1	DIV2	DIV3
1	0	0	0	0	9	1	1	0	0
2	1	1	1	1	10	1	0	0	1
3	1	1	1	0	11	0	0	1	0
4	1	1	0	1	12	0	1	0	0
5	1	0	1	0	13	1	0	0	0
6	0	1	0	1	14	0	0	0	1
7	1	0	1	1	15	0	0	1	1
8	0	1	1	0	16	0	1	1	1

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Final Divide Value	DIV0	DIV1	DIV2	DIV3	Final Divide Value	DIV0	DIV1	DIV2	DIV3
2	Λ	0	0	0	18	1	1	0	0
_	4	1	1	1	20	1	0	0	1
4	l 4	1	1	Ò	22	Ò	n	1	0
6	1	1	1	U	•	_	4		0
8	1	1	0	1	24	0	1	Ū	-
10	1	0	1	0	26	1	0	0	0
• -	'n	1	Ò	1	28	0	0	0	1
12	Ü	,	4	4	30	Ô	n	1	1
14	1	U	1	ļ		•	4	4	4
16	0	1	1	0	32	0	1	1	ł

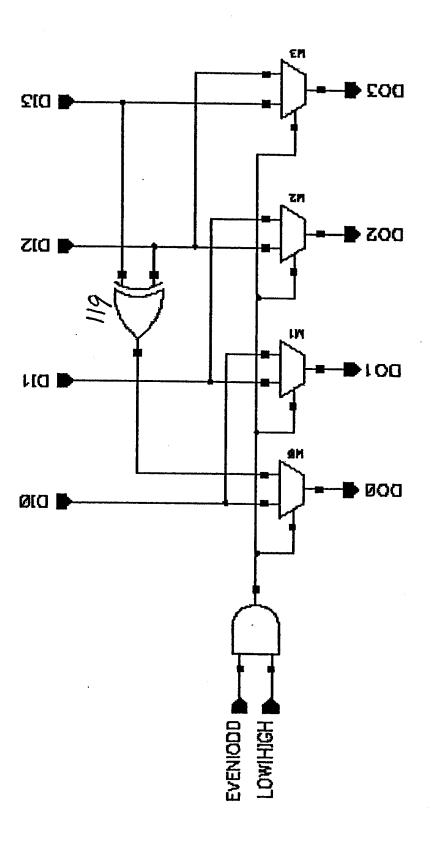
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LFSR Divide Value	Final Divid e	DIV0 'a'	LOW H DIV1 'a'	IIGH=1 DIV2 'a'	DIV3 'a'	LOW[H	IGH=0 DIV1 'b'	DIV2 'b'	DIV3
ï	Value		•	0	Λ	n	0	0	0
1	2	0	Ü	U	4	0	n	Õ	0
2,1	3	1	1	1	1	4	4	1	1
2	4	1	1	1	1	1	4	4	1
3,2	5	1	1	1	0	1	1	4	'n
3	6	1	1	1	0	1	1	1	0
-	7	1	1	0	1	1	1	1	U
4,3	,	4	1	ń	1	1	1	0	1
4	8	1 4	0	1	Ò	1	1	0	1
5,4	9	1	U	1	0	1	Ô	1	0
5	10	1	0	1	U	J	U	•	

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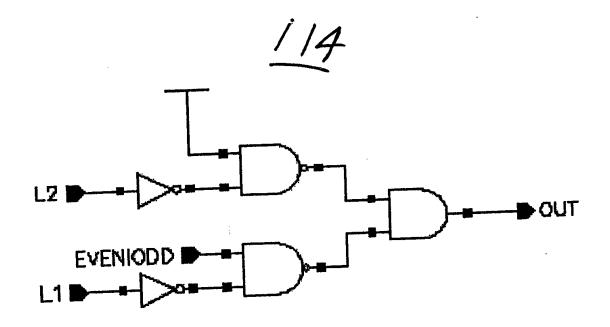
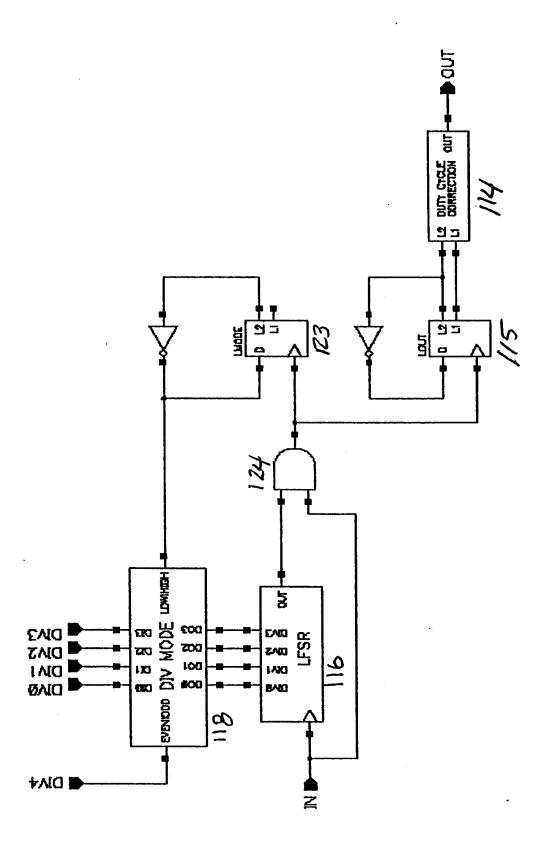


FIG. 14

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Final Divide Value	DIV0	DIV1	DIV2	DIV3	DIV4	Final Divide Value	DIV0	DIV1	DIV2	DIV3	DIV4
1	0	0	0	0	1	17	1	1	0	0	1
2	0	0	0	0	0	18	1	1	0	0	0
3	1	1	1	1	1	19	1	0	0	1	1
4	1	1	1	1	0	20	1	0	0	1	0
5	1	1	1	0	1	21	0	0	1	0	1
6	1	1	1	0	0	22	0	0	1	0	0
7	1	1	0	1	1	23	0	1	0	0	1
8	1	1	0	1	0	24	0	1	0	0	0
9	1	0	1	0	1	25	1	0	0	0	1
10	1	0	1	0	0	26	1	0	0	0	0
11	0	1	0	1	1	27	0	0	0	1	1
12	0	1	0	1	0	28	0	0	0	1	0
13	1	0	1	1	1	29	0	0	1	1	1
14	1	0	1	1	0	30	0	0	1	1	0
15	0	1	1	0	1	31	0	1	1	1	1
16	0	1	1	0	0	32	0	1	1	1	0

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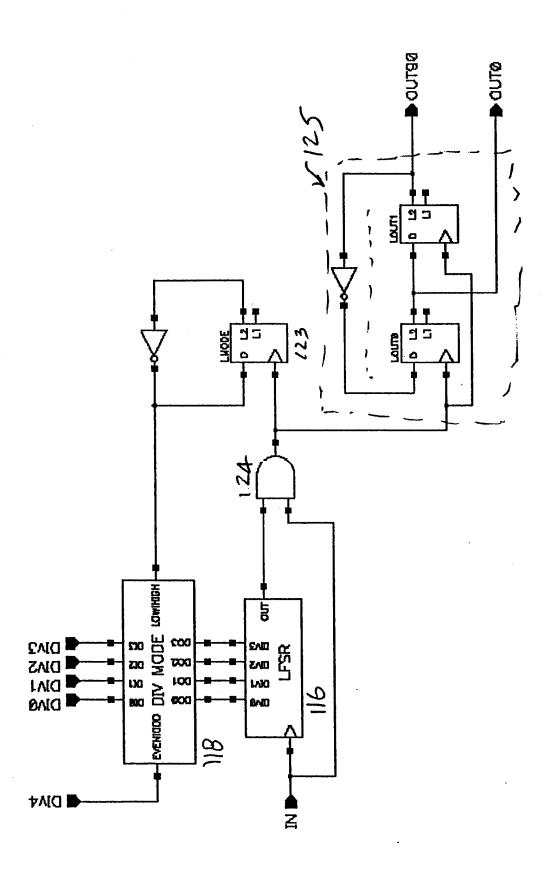


FIG. 1.

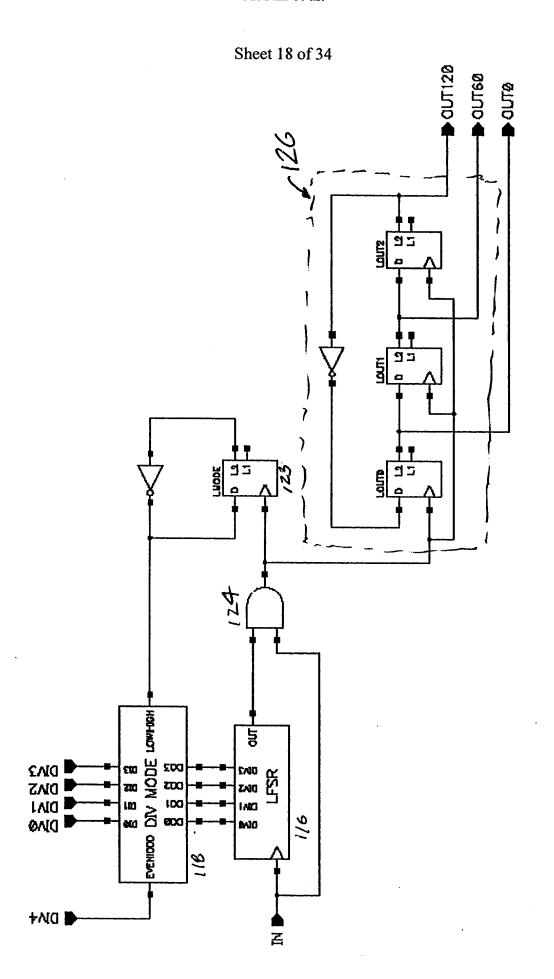
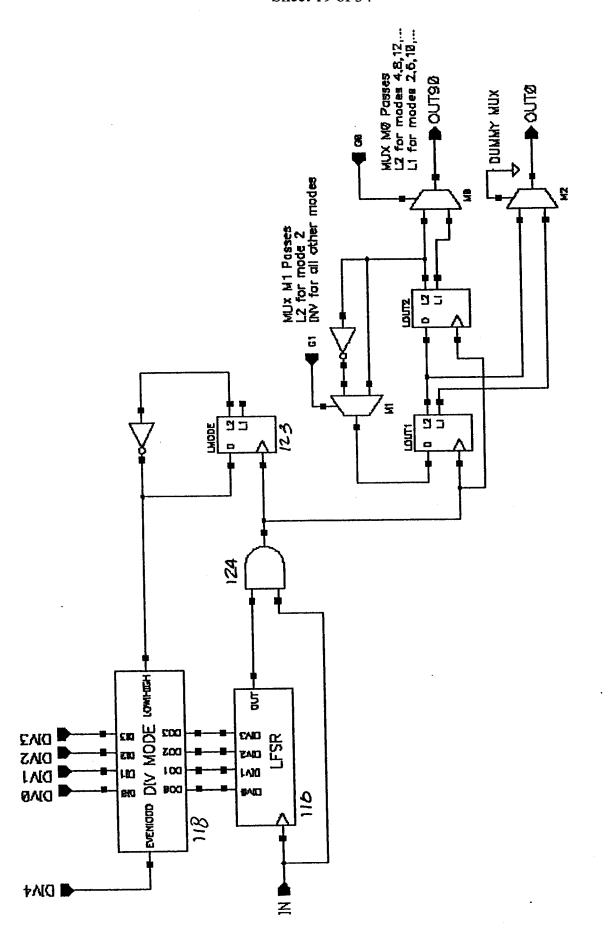
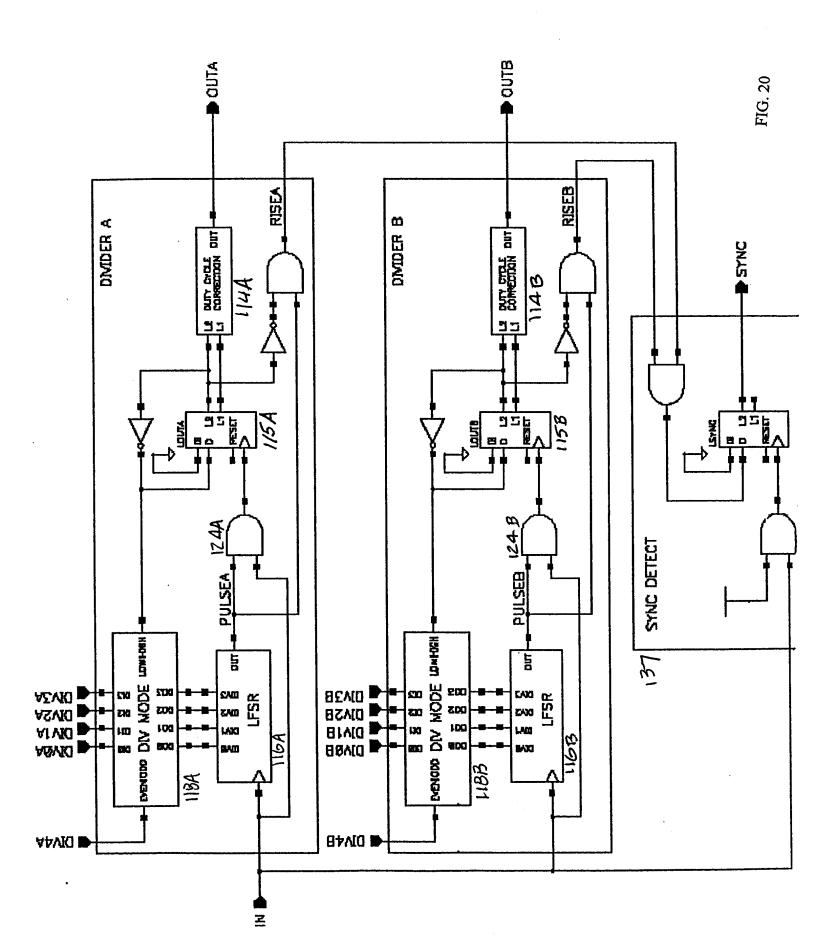


FIG. 18

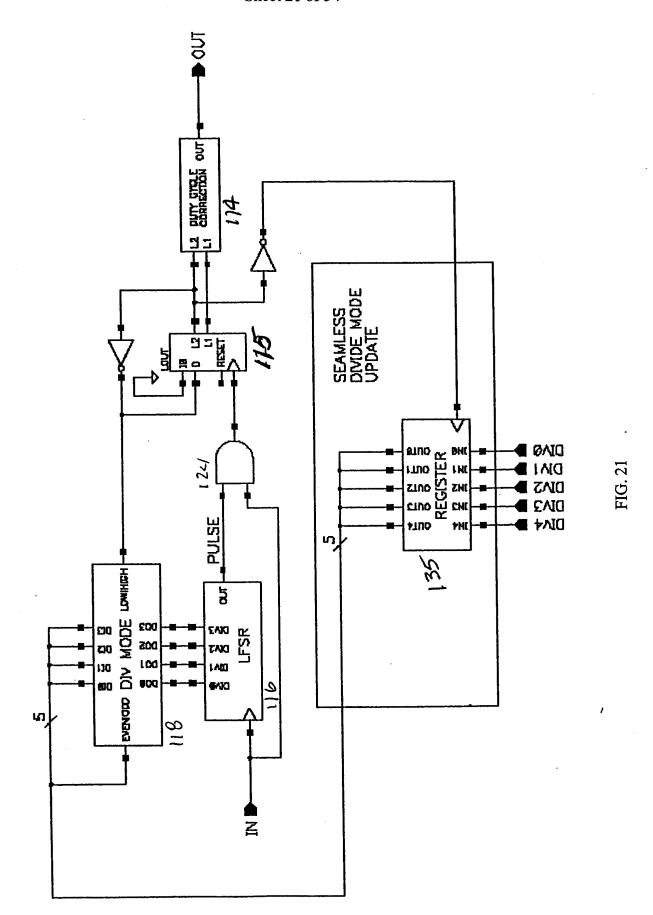
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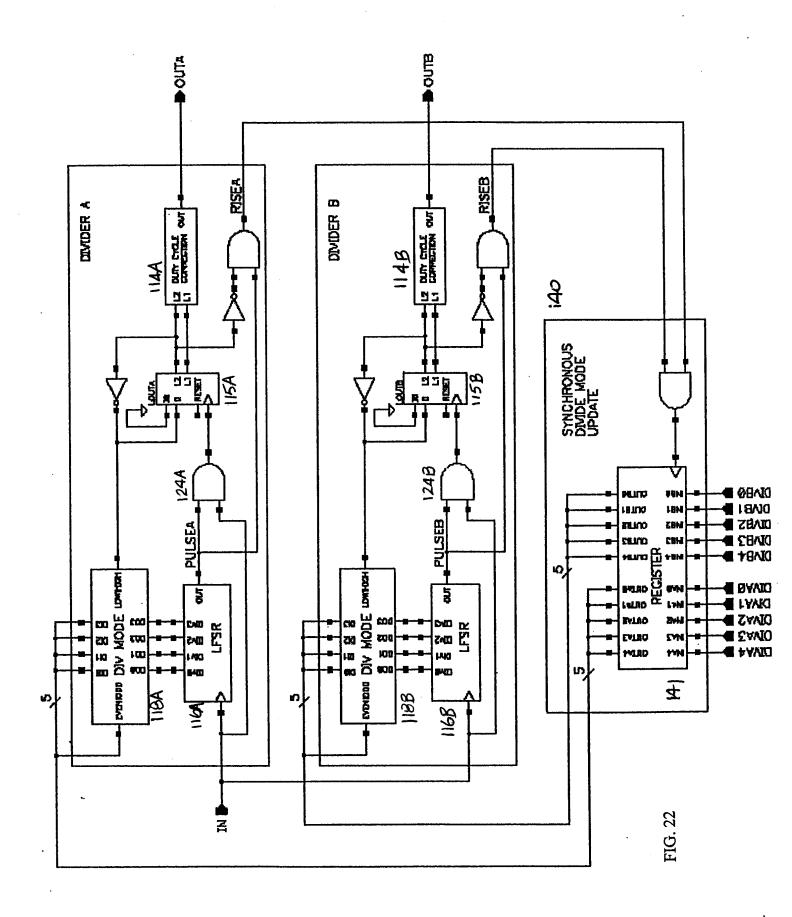
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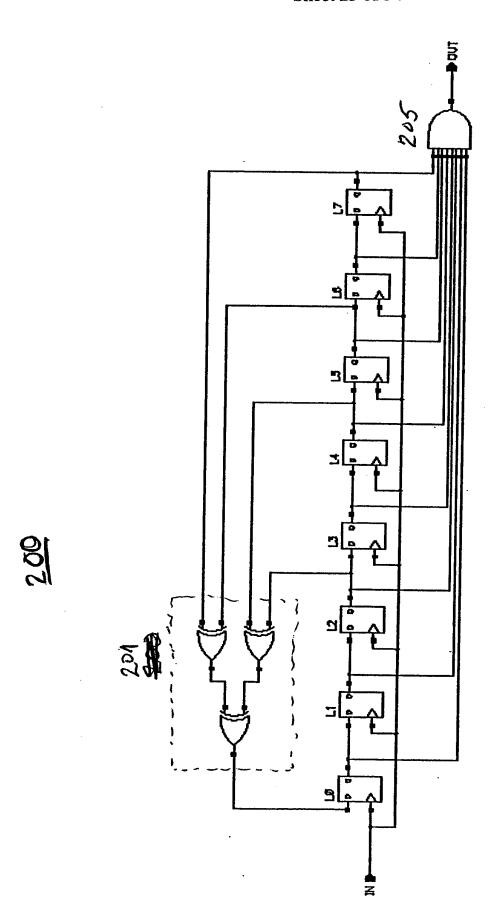
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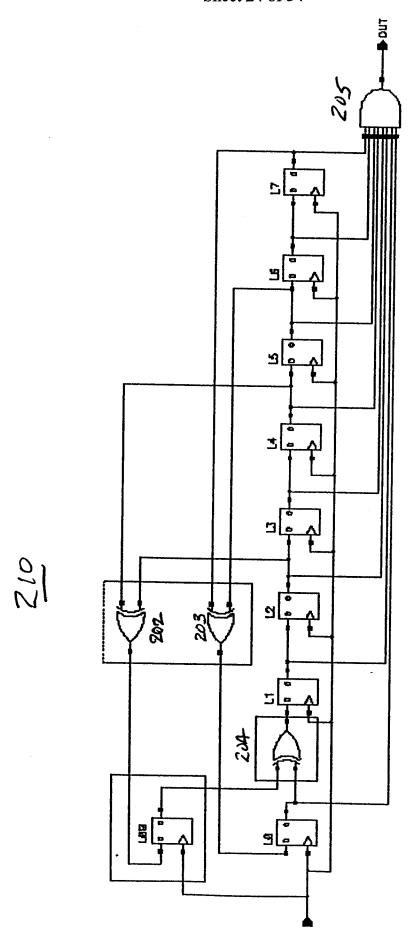
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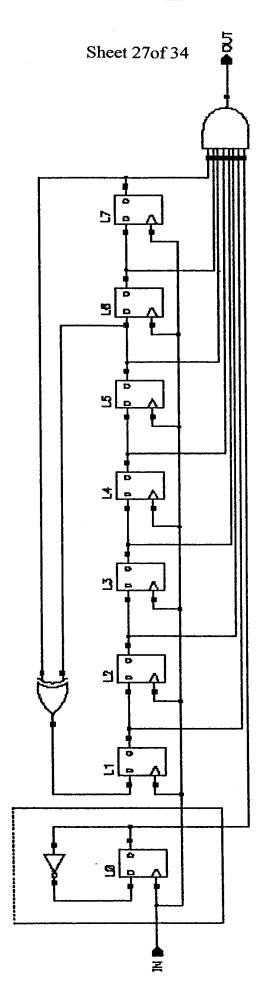


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LO	1.1	L2	L3	L4	L5	L6	L7	State	Out
0	0	0	0	1	0	1	0	63	0
0	0	Ō	Ō	Ó	1	0	1	64	0
1	0	Ō	Ō	0	0	1	0	65	0
•	·	•						66> 254	0
1	1	1	1	1	1	1	1	255 (2 ^{N-1})	1
ò	1	1	1	1	1	1	1	1	0

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*												
10	L1	L2	L3	L4	L5	L6	L7	L0B	State	Out		
									63	0		
0	0	0	U	1	U	ı	U	U		_		
1	n	0	0	0	1	0	1	1	64	0		
									65	Ð		
1	0	0	0	U	U	ı	U	U	00	U		



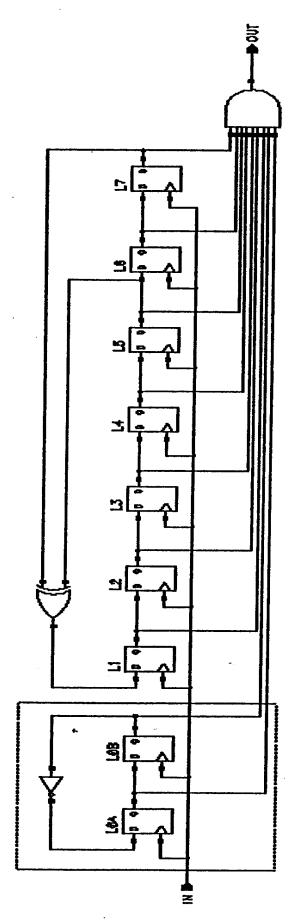
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215										
L2	State	Out								
1	1	0								
0	2	0								
1	3	0								
1	4	0								
0	5	0								
1	6 (2 ^{N-2})	1								
1	1	0								
0	2	0								
1	3	0								
	L2 1 0 1 1 0 1 1 0	L2 State 1 1 0 2 1 3 4 0 5 1 6 (2^N-2) 1 1 0 2								

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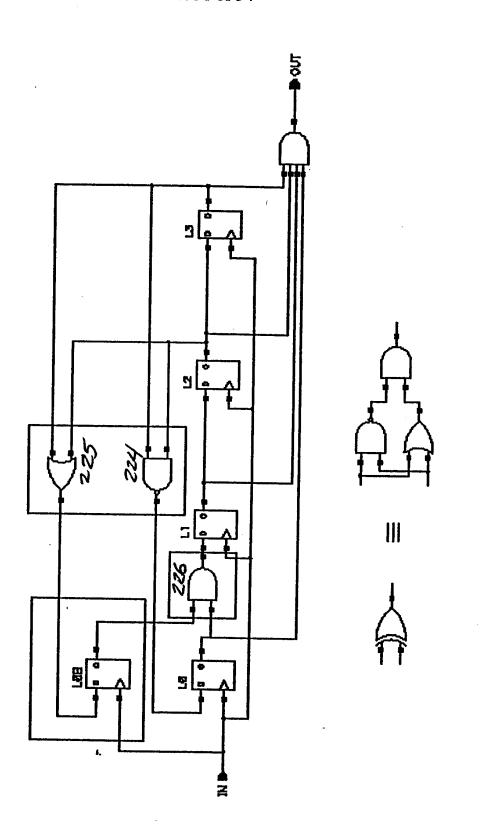
L0	L1	L2	State	Out
0	0	0	1	0
1	0	1	2	0
0	1	0	3	0
1	1	1	4 [2(N-1)]	1
Ò	0	0	1	0
1	: 0	1	2	0
Ö	1	0	3	0

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75/

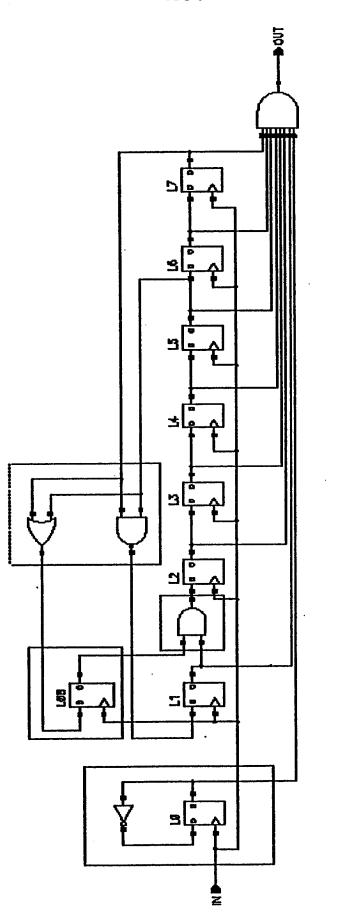
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					230	
LO	L1	L2	L3	L0B	State	Out
0	1	1	1	0	1	0
0	0	1	1	0	2	0
0	0	0	1	0	3	0
1	0	0	0	0	4	0
1	1	0	0	1	5	0
1	0	1	0	1	6	0
1	0	0	1	0	7	0
1	1	0	0	0	8	0
1	1	1	0	1	9	0
1	0	1	1	0	10	0
0	1	0	1	0	11	0
1	0	1	0	0	12	0
1	1	0	1	0	13	0
1	1	1	0	0	14	0
1	1	1	1	0	15(2^N-1)	1
0	1	1	1	0	1	0
Ŏ	0	1	1	0	2	0

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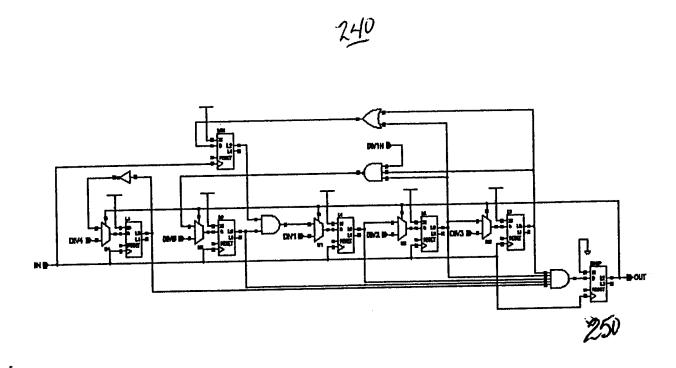


FIG. 34